

Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
1	BRS	L1	768	aberrant adj splicing	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/1 2 15:17	0
2	BRS	L2	419	(aberrant adj splicing) same cell	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/1 2 15:17	0
3	BRS	L3	8719	cystic adj fibrosis	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/1 2 15:17	0
4	BRS	L4	2156	(alternative adj splicing adj factor) or asf	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/1 2 15:17	0
5	BRS	L5	356	((aberrant adj splicing) same cell) same disease	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/1 2 15:18	0
6	BRS	L6	74	SR adj protein	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/1 2 15:18	0
7	BRS	L7	24	(heterogeneous adj nuclear adj ribonucleoprotein adj a1) or hbrnpal	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/1 2 15:18	0
8	BRS	L8	27	E4-ORF3 or E4-ORF6	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/1 2 15:19	0
9	BRS	L9	3	(cystic adj fibrosis) same ((alternative adj splicing adj factor) or asf)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/1 2 15:19	0
			((((aberrant adj splicing) same cell) same disease) or (cystic adj fibrosis)) same (((alternative adj splicing adj factor) or asf) or (SR adj protein) or (heterogeneous adj nuclear adj ribonucleoprotein adj a1) or hbrnpal) or (E4-ORF3 or E4-ORF6))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/1 2 15:20	0	
10	BRS	L10	3				

Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
11	BRS	L11	11 alternative adj splicing adj factor	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/1 2 15:24		0	
12	BRS	L12	1 kerem adj batsheva.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/1 2 15:25		0	

FILE 'HOME' ENTERED AT 15:27:34 ON 12 MAY 2003

=> file medline caplus biosis embase scisearch agricola
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 0.21 0.21

FILE 'MEDLINE' ENTERED AT 15:27:56 ON 12 MAY 2003

FILE 'CPLUS' ENTERED AT 15:27:56 ON 12 MAY 2003
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=> s alternative splicing factor

→ aberrant splicing

L2 1787 ABERRANT SPLICING

L3 668 L2

L4 99976 (CYSTIC FIBROSIS) OR (SPINAL MUSCUL

L5 128 DISE

ES 120 DISEASE (F) ES

⇒ S 12 (p) (13 or 14)
T 6 683 T 2 (B)

L6 683 L2 (P) (L3 OR L4)

=> vs disease (p) 12

L7 382 DISEASE (P) L2

=> s (16 or 17) (p

L8 0 (L6 OR L7) (P

=> s sr protein

L9 2807 SR PROTEIN

=> s heterogeneous nuclear ribonucleoprotein a1
L10 323 HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN A1

=> s e4-orf3 or e4-orf6
L11 197 E4-ORF3 OR E4-ORF6

=> S 19 or L10 or L11
L12 3311 L9 OR L10 OR L11

=> d his

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FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT
15:27:56 ON 12 MAY 2003

L1 204 S ALTERNATIVE SPLICING FACTOR
L2 1787 S ABERRANT SPLICING
L3 668 S L2 (P) CELL

L4 99976 S (CYSTIC FIBROSIS) OR (SPINAL MUSCULAR ATROPHY)
L5 128 S DISEASE (P) L3
L6 683 S L2 (P) (L3 OR L4)
L7 382 S DISEASE (P) L2
L8 0 S (L6 OR L7) (P) L1
L9 2807 S SR PROTEIN
L10 323 S HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN A1
L11 197 S E4-ORF3 OR E4-ORF6
L12 3311 S L9 OR L10 OR L11

=> s (16 or 17) (p) l12
L13 5 (L6 OR L7) (P) L12

=> duplicate remove l13
DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L13
L14 1 DUPLICATE REMOVE L13 (4 DUPLICATES REMOVED)

=> d l14 1 ibib abs

L14 ANSWER 1 OF 1 MEDLINE DUPLICATE 1
ACCESSION NUMBER: 2001229125 MEDLINE
DOCUMENT NUMBER: 21181834 PubMed ID: 11285240
TITLE: Nuclear factor TDP-43 and SR proteins promote in vitro and
in vivo CFTR exon 9 skipping.
AUTHOR: Buratti E; Dork T; Zuccato E; Pagani F; Romano M; Baralle F
E
CORPORATE SOURCE: International Centre for Genetic Engineering and
Biotechnology (ICGEB), Padriciano 99, 34012 Trieste, Italy.
SOURCE: EMBO JOURNAL, (2001 Apr 2) 20 (7) 1774-84.
Journal code: 8208664. ISSN: 0261-4189.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200106
ENTRY DATE: Entered STN: 20010611
Last Updated on STN: 20010611
Entered Medline: 20010607

AB Alternative splicing of human ***cystic*** ***fibrosis***
transmembrane conductance regulator (CFTR) exon 9 is regulated by a
combination of cis-acting elements distributed through the exon and both
flanking introns (IVS8 and IVS9). Several studies have identified in the
IVS8 intron 3' splice site a regulatory element that is composed of a
polymorphic (TG)^m(T)ⁿ repeated sequence. At present, no cellular factors
have been identified that recognize this element. We have identified
TDP-43, a nuclear protein not previously described to bind RNA, as the
factor binding specifically to the (TG)^m sequence. Transient TDP-43
overexpression in Hep3B ***cells*** results in an increase in exon 9
skipping. This effect is more pronounced with concomitant overexpression
of ***SR*** ***proteins***. Antisense inhibition of endogenous
TDP-43 expression results in increased inclusion of exon 9, providing a
new therapeutic target to correct ***aberrant*** ***splicing*** of
exon 9 in CF patients. The clinical and biological relevance of this
finding in vivo is demonstrated by our characterization of a CF patient
carrying a TG10T9(DeltaF508)/TG13T3(wt) genotype leading to a
disease -causing high proportion of exon 9 skipping.

=> d his

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L8 0 S (L6 OR L7) (P)
L9 2807 S SR PROTEIN
L10 323 S HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN A1
L11 197 S E4-ORF3 OR E4-ORF6
L12 3311 S L9 OR L10 OR L11
L13 5 S (L6 OR L7) (P) L12
L14 1 DUPLICATE REMOVE L13 (4 DUPLICATES REMOVED)

STN INTERNATIONAL LOGOFF AT 15:34:58 ON 12 MAY 2003